PATENT

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

An Algorithmic Test P Functional Testing Of A		ith Built-In-Self-Test (BIST) C	apabilitie	<u>∌s, For</u>
Un or	n <u>January 14, 2000</u> ited States Application	Number <u>60/176,434</u> ication Number	as	
		(if applicabled the contents of the above-identy any amendment referred to all	tified	
I acknowledge the duty to defined in Title 37, Code of		known to me to be material to pa Section 1.56.	atentability	/ as
foreign application(s) for pa any foreign application for pa application on which priority	tent or inventor's certificatent or inventor's cert y is claimed:	35, United States Code, Section cate listed below and have also ificate having a filing date before	identified that of the Priori	below ne ty
Prior Foreign Application(s)	1		Claim	<u>ied</u>
Number	Country	(Foreign Filing Date - MM/DD/YYYY)	Yes	No
Number	Country	(Foreign Filing Date - MM/DD/YYYY)	Yes	No
Number	Country	(Foreign Filing Date - MM/DD/YYYY)	Yes	No
I hereby claim the benefit uprovisional application(s) list	nder Title 35, United Steed below:	tates Code, Section 119(e) of ar	ny United	States
60/176,434 Application Number	January 14, 2000 (Filing Date – MM/DD/YYYY)			
Application Number	(Filing Date –	MM/DD/YYYY)		

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: (Filing Date - MM/DD/YYYY) Application Number Status -- patented, pending, abandoned Application Number (Filing Date – MM/DD/YYYY) Status -- patented, pending, abandoned I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. ____, BLAKELY, SOKOLOFF, TAYLOR & Send correspondence to Robert B. O'Rourke (Name of Attorney or Agent) ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to Robert B. O'Rourke, (408) 720-8300. (Name of Attorney or Agent) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Sole/First Inventor John Lee Barry Inventor's Signature ___ Date _____ Citizenship ___ Ireland Residence County Cork, IRELAND (Country) (City, State) Post Office Address 5 Harbour Terrace Cobh, Co. Cork, Ireland Full Name of Second/Joint Inventor Marc Harold Erett Inventor's Signature __///___ Date Residence Waterford, IRELAND Citizenship <u>Ireland</u> (Country) (City, State)

Post Office Address <u>27 Ballinakill Court, Dunmore Road</u> Waterford, Ireland

Full Name of Third/Joint-Inventor <u>James Mears</u>
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Full Name of Fourth/Joint Inventor Mark Sauerwald
nventor's Signature Jash. Sausaudt Date 4/25/2001
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(City, State) (Country)
Post Office Address 24 Blanchard Road Cumberland, MA 04021
Full Name of Fifth/Joint Inventor Afif Farhat
Inventor's Signature
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(City, State) (Country)
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APPENDIX A

William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Lisa N. Benado, Reg. No. 39,995; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Andrew C. Chen, Reg. No. 43,544; Thomas M. Coester, Reg. No. 39,637; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; George Fountain, Reg. No. 37,374; James Y. Go, Reg. No. 40,621; James A. Henry, Reg. No. 41,064; Libby N. Ho, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Sang Hui Kim, Req. No. 40,450; Walter T. Kim, Reg. No. 42,731; Eric T. King, Req. No. 44,188; George Brian Leavell, Reg. No. 45,436; Kurt P. Levendecker, Reg. No. 42,799; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Robert G. Litts, Reg. No. 46,876; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Dennis A. Nicholls, Reg. No. 42,036; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Kenneth B. Paley, Reg. No. 38,989; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey Sam Smith, Reg. No. 39,377; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; John F. Travis, Reg. No. 43,203; Joseph A. Twarowski, Reg. No. 42,191; Tom Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Firasat Ali, Reg. No. 45,715; Justin M. Dillon, Reg. No. 42,486; Thomas S. Ferrill, Reg. No. 42,532; and Raul Martinez, Reg. No. 46,904, my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and James R. Thein, Reg. No. 31,710, my patent attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

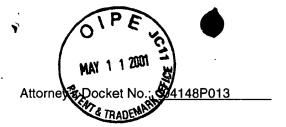
APPENDIX B

Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



PATENT

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

An Algorithmic Test F	Pattern Generator, Wit	<u>:h Built-In-Self-Test (BIST) (</u>	Capabiliti	es, For
Functional Testing Of A	Circuit			
Ur or	I hereto. n <u>January 14, 2000</u> nited States Application I PCT International Applic d was amended on (MM	cation Number	as	- -
		the contents of the above-ider any amendment referred to a	rtified	
I acknowledge the duty to defined in Title 37, Code of		nown to me to be material to pa ection 1.56.	atentabilit	y as
foreign application(s) for pa	itent or inventor's certific patent or inventor's certific	5, United States Code, Section ate listed below and have also ficate having a filing date before	identified	below ne
Prior Foreign Application(s)	1		Claim	
Number	Country	(Foreign Filing Date - MM/DD/YYYY)	Yes	No
Number	Country	(Foreign Filing Date - MM/DD/YYYY)	Yes	No
Number	Country	(Foreign Filing Date - MM/DD/YYYY)	Yes	No
I hereby claim the benefit u provisional application(s) lis		ates Code, Section 119(e) of ar	ny United	States
60/176,434 Application Number	January 14, 2000 (Filing Date – MM/DD/YYYY)			
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Citizenship

(Country)

Inventor's Signature

Residence Waterford, IRELAND

(City, State)

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Post Office Address 2313 36th Street S.E. Puyallup, WA 98374		<u> </u>
Full Name of Fourth/Joint Inventor <u>Mark Sauerwa</u>	ald	
Inventor's Signature	Date	
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Cumborland MA 04021		-
Full Name of Fifth/Joint Inventor _Afif Farhat		
Inventor's Signature	Date	
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Post Office Address 818 Lewiston Drive San Jose, CA 95136		

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